to your barber, week after week, hoping the shampoo will cure your dandruff. But the dandruff continues to form as badly as ever. The trouble is you do not go at it in the right way. The scalp is diseased, and you must cure it before your dandruff will ever disappear. Simple washing

dandruff because it cures the disease of the scalp, and then the dandruff soon disappears for good.

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THOUGHT ONE COMPANY HAD INSIDE TRACK

L. M. Whitehouse Tells Why He Did Not Bid on the Insane Asylum Contract.

I was one of the contractors who figured on the Insane Asylum specifications with intent to put in a bid. I was figuring with Lucas Bros., they to have the woodwork and I to have the concrete work. I found the specifications were so unfair in favor of the concrete construction and against the brick construction that it was useless to put in a bid for a brick building.

I have read the statements made by John Walker and Fred Harrison concerning the specifications for the Insane Asylum and I agree with them, with the exception of two or three minor points. For example: I think that the equivalent of strength of a 10 inch concrete wall is a 13 inch brick wall. I am firmly of the opinion that the walls called for in the brick specifications are entirely too thick.

As to the difference between the door and window casings in the concrete and brick specifications which Mr. Harrison speaks of, I do not know, as that was woodwork and I was figuring on the concrete only.

I think that concrete which has been put under pressure has somewhat more tensible strength than concrete which is handtamped only, but the strength of the hand-tamped material is ample for this building.

There is a difference of opinion in scientific publications on many questions concerning concrete. One of these points on which there is difference is whether it can be made water-proof. My opinion is that hand-tamped concrete can be made entirely waterproof if there is a coat of good cement plaster put on carefully.

When I was figuring on this contract I got figures from the States on a power press with which to make the blocks in question. The figure quoted me was \$8,538 delivered in Honolulu, in addition to which there would be the cost of setting it up. I might have reduced this somewhat by leaving out some parts. This machine I had to figure into the cost of the job in my bid. I do not know rainfall as compared with normals: whether the machine could have accomplished the work that its makers claim for it; the moulds were different and some experimenting would have to be done to make the blocks called for in the specifications called for in the Asylum contract as they are J. F. Fenwick, Hugo Hirzer, Stanley much larger than the blocks made by the machine in question.

A machine constructed to make one size of blocks cannot be adapted to making larger sized blocks by simply changing the moulds, because, the pressure required would be increased pro rata Instrumentalists-George F. Davies, with the increased area of the blocks, and increased pressure would require an increased size of the machine.

> Another point not spoken of by Mr. Harrison or by Mr. Walker, in which there is an inconsistency between the plans and the specifications, is that the elevation plan shows a certain number and size of blocks, which does not correspond to the detail size of blocks. In other words the blocks made according to the detail will not fit the wall shown as a whole. There are a number of other points of this kind which I do not recall, which make the plans and specifications otherwise uncertain and difficult to figure on.

A \$500 hand-tamping machine will make blocks that will make buy a Grass Rug. They last a long a perfectly good building and will save the cost of the expensive machine which will have to be furnished under the present specifications, which adds just this much to the cost of the building.

> If the American-Hawaiian Engineering & Construction Company is allowed to use hand-tamped concrete blocks, they can make a good building and there will be a good profit in it for them at the figure they have bid. If they are permitted to ignore the pressure clause, however, it would be a variation from the contract and be unfair to the other contractors who were compelled to estimate upon a power press for making the blocks. I should certainly get an injunction to prevent the present contractors from building the Asylum with hand-tamped concrete, even if the Government allowed them to do so, as, if the building is to be built with handtamped machinery, it is no more than fair that all the contractors be allowed to bid on that basis.

> I knew, in a general way, as did all the building contractors in Honolulu, that the Concrete Construction Company had a machine claimed to have been invented by Mr. Pinkham, which they intended to use in connection with making these blocks. This machine was not available to any other contractor. It was never offered to me or any other contractor that I know of.

I believed that the specifications were drawn for the purpose Honomanu. 1800 70 60 65 79 56 of giving the Concrete Construction Company the inside track on the contract and went to Mr. Howland, the Assistant Superintendent of Public Works, about it. He replied that he did not Kaanapali. 12 80 65 72 83 60 Makaweli. 140 think so, and no changes were made.

I did not bid because I was so thoroughly convinced that the Concrete Construction Company had the inside track that there was no use for me to put in a bid. The fact that the American-Hawaiian Engineering & Construction Company bid on the contract had nothing to do with my not bidding, as I did not know they were snow covering the hills on the 20th. going to bid until they filed their bid just before the bids were opened.

I consider the specifications as a whole to be thoroughly unfair to the contractors. There was no opportunity for fair competition, although I think that the ignorance of the architect is responsible. for a number of the deficiencies and unnecessarily expensive RAINFALL FOR DECEMBER, 1904 features thereof.

(Signed.) L. M. WHITEHOUSE.

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ling because he wants to. I am sure that you want to overcome every indication of early decay that has shown itself on you. I don' think the man lives who would not like to feel as big and strong as . Sandow, and I know that if you have a reasonable foundation to build upon I can make you a bigger man than you ever hoped to be. I want you to know that, you who can't believe it, and I want you to have my book in which I

learned to restore it; also I want to tell you the names of some men who win tell you that when they came to me they were physical wrecks, and are now among the finest specimens of paysical manhood. can do just as much for women as for men. I have thousands of letters from grateful women, who had spent years and money trying to get relief from drugs, and who came to me as a last resort and are cured now.

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DR. M. G. McLAUGHLIN, 906 Market St., San Francisco.

WEATHER ALL OVER HAWAII FOR MONTH OF DECEMBER

15	SUMMARY	FOR	THE	MON'	TH OI
	DECEM	BER, 1	1904, U.	S. DE	PART
ŀ	MENT	OF	AG	RICUI	TURE
1	WEATH	ER B	UREA	U.	
1	7		2	700	22 7 2

Approximate percentages of district Hawaii-Hilo, 47 per cent; Hamakua, 44 per cent; Kohala, 86 per cent; Kau,

Maui-(East), 131 per cent. Oahu-Honolulu, 82 per cent; Nuuanu. 99 per cent; Koolau, 126 per cent; Ewa 70 per cent. Kauai-Lihue, 109 per cent; Kilauea,

The greatest monthly rainfall was 17.58 inches at Nahiku, Maui. The greatest 24-hour rainfall was 5.35

thu. TE	MPER	ATUR	E	AB	LE		
Statio		Eleval	Mean	Mean	Mean	Highe	Lowes
		ion f	Maxi	mini	Mont	st	ī

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2	-	×.	7	7		
	8	8	. 🖺	Ξ		- 9
	- 67	Ε	Ξ	4		*******
	feet	ximum	nimum.	nthly		
Hawaii—		127	•			
Olaa Mill	210	25	69	73	90	5
Kau			57		85	5
Ookala			17.25.2	1000	84	6
Pepeekeo	100	79	67	73	83	6
Niulii	200	78	68	73	83	6
Pahala					83	5
				100	2.71	
Hakalau					80	6
Paauhau				74	84	6
Kohala, ,	. 279	80	65	73	83	6
Oahu-						
U.S. Weather Br	1. 121	77	68	72	80	6
U.S. Magn. Sta	. 45	79	65	72	83	5
U.S. Expt. Sta.	. 350	79	67	73	82	6
Ahuimanu	. 350	77	66	72	86	6
Kahuku	. 25	78	68	73	82	6
Waiawa	. 675	77	64	71	82	5
Punahou	. 47	77	68	72	80	6
Ewa Mill	. 60	78	64	71	82	5
Kalihi-uka	. 485	79	64	72	86	5
Kauai						
Keloa,	. 241	79	64	72	83	5
Kealia				71	81	5
Lihue,	. 200	79	63	71	84	5
Makaweli						5

Waiakoa. 2700 73 58 66 80 51 Kailua, 285 78 63 70 85 58 Nahiku1600 73 62 68 81 57 Kihei. 55 81 68 74 85 63 Lanai-

Kahoolawe, 10 80 70 75 84 Hawail-Pahala reports gale on 20th and 21st; Niulii reports a particularly Oahu-Thunderstorms occurred on the 2nd, 19th and 21st accompanied by

Correction note: The greatest 24-hr. rainfall for November was 4.50 inches on the 9th at Puuohua, Hawaii,

2212.4	1,000	
HAWAII,		
Hilo,		
apaikou		4.71
Vaiakea 50		4.50
aumana		4.36
epeekeo, 100		4.32
Iakalau 200		5.43
uuohua		7.23
aupahoehoe 500		5.03
okala. , 400		2.84
uueo 85	3	3.93
Hamakua.		
ukaiau		3.14
aauilo 300		2.58
aauhau, 300		2.61
lonokaa		2.88
ukuihaele 700		2.72
Kohala.		1
iuli)		1.68
chala (Sugar Co.) 270		1.75
awi Mill 600		9 90

Puakea Ranch 600

Puuhue Ranch1847

Kona.

	Mapoopoo,
	Kau.
	Kau
	Honuapo 25
	Naalehu 650
	Hilea 310
	Pahala 850
	Keaa Homesteads2000
ıţ	Puna.
1	Olaa Mill 210
	Olaa (9 mi.)
4	Olaa (13 mi.)
4	Olaa (17 mi.)
	Olaa (20 mi.)
ŀ	MAUI.
	Kaanapali 12
	Waiopae Ranch 700
	Kaupo (Mokulau) 285
ï	Kipahulu 308
	Kailua, 650
	Keanae

7.19

5.48

3.21

2.69

3.08

3.41

3.17

6.34

13.27

8.11

14.38

15.62

1.95

2.23

3.57

9.30

6.19

Kealakekua (Honalo)1500

S	MAUL.
~	Kaanapali 12
5	Waiopae Ranch 700
i,	Kaupo (Mokulau) 285
,	Kipahulu 308
- 1	Kailua, 650
	Keanae
	Nahiku 850
Lowest	Nahiku
9	Honomanu
	Haiku 700
	Kula Waiakoa2700
	Puuomalei,
	Paia
	Haleakala Ranch2000
	Wailuku,
8	Puunene, 73
2	Kopiliula,
0	Kahului 8
4	Makawao
5	Ukulele,
7	Kihei, 55
2	OAHU.
6	U. S. Weather Bureau 108
0	Punahou 47
	Kulaokahua (Castle) 50
8	U. S. Naval Station 6
2	College Hills 175
1	Manoa (Woodlawn Dairy). 285
2	Manoa (Rhodes Gardens). 300
2	Insane Asylum 30
2	Kalihi-uka 485
8	Nuuanu (Hall) 50
9	Nuuanu (Wyllie St.) 250
	Nuuanu (Elec. Station) 405
7	Nuuanu (Luakaha) 850
6	U. S. Experiment Station 350
4	Tantalus Heights (Frear).1360
7	Waimanalo, 25
6	Maunawili, 250
70	Kaneohe 100
1	Ahuimanu
8	Kahuku 25
0	Ewa Plantation 60
6	U. S. Magnetic Station 45
7	Moanalua
9	Waiawa 675

	Kekaha	55	1.7
ř	Wilcox Ditch		4.6
ľ			5.2
		200	3.4
			4.6
	Lihue (Grove Farm)		4.3
	Lihue (Molokoa)		5.2
	Lihue (Kukaua)		7.2
	Kealia		5.4
	Kilauea Plantation		5.4
	Halaula		5.5
40	Mana Pump		2.2
	Waiawa,		0.2
	Eleele		1.8
	Wahiawa Mt		12.5
2	Wahiawa		2.4
	McBryde		5.1
	Lawai (Gov. Road)		6.3
	Towns F Theory	-	3.8
ļ	Lawai West	225	3.6
k	Lawai East	800	5.4
	Koloa		4.9
	Koloa (Kukuiula)		4.1
	LANAI.		
	Gay Residence	780	9.6
Ų	KAHOOLAWE.		
2	Kahoolawe	420	1.4
	DELAYED REPORTS FO	R NOV	EM
e Si	BER.		
	Car (Tonal)	man.	0.0

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